Do you know what the Facility Safety Management Plan (FSMP) ensures?

- A safe design is being implemented in a timely cost-effective manner.
- Hazards associated with the facility, identified during the Facility Hazard Analysis (FHA), are tracked using a Hazard Analysis Tracking Index (HATI) to ensure they are evaluated and eliminated or controlled to an acceptable level throughout the life cycle.
- Minimum risk is involved in the design, materials, testing and operation of the facility.
- Changes to the design, made during construction or installation/testing, do not impact safety.
- Training is provided to all personnel involved in hazardous operations and processes.
- Codes, standards, and regulations are met.
- Safety milestones meet facility program requirements.
- Safety in operation and maintenance is documented and approved.



YOUR PREPAREDNESS FOR AN AUDIT OF NASA FACILITY SYSTEM SAFETY REQUIREMENTS WITH THESE SAMPLE AUDIT GUIDE QUESTIONS.

MANAGEMENT:

- Does the Center's System Safety Program identify areas where compliance with the requirements cannot be achieved?
- Does the Center's SMA Director participate in the development and maintenance of the SSPP?

TRAINING:

- Has the facility manager developed training procedures for every operation within the facility?
- 2. Have training procedures been developed for emergency situations that may occur within the facility?

FACILITY AQUISITION:

- Are facility safety considerations included in the Facility Management Plan (FMP) for each project?
- 2. Has a Facility Safety Management Plan (FSMP) been prepared for each acquisition?

HAZARD MANAGEMENT:

- 1. Has a Facility Risk Indicator (FRI) assessment been performed to classify the risk of the facility?
- Are appropriate safety features or devices used to control hazards that cannot be eliminated or controlled through design?

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NASA SAFETY AND MISSION ASSURANCE REQUIREMENTS

NASA-STD-8719.7

Facility System Safety Requirements

Compliance Verification Guide

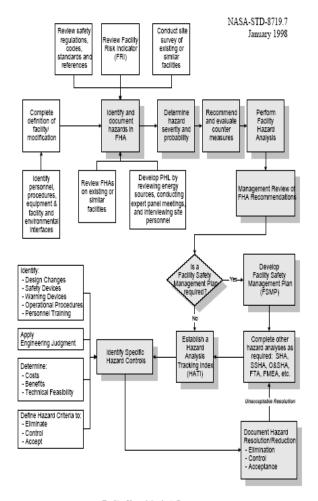


OFFICE OF SAFETY AND MISSION ASSURANCE

This brochure is intended to be used as a guide only, not as a replacement for the actual policy. To review the NASA Policy for Facility System Safety Guidebook (NASA-STD-8719.7) in its entirety, see http://www.hg.nasa.gov/office/codeg/doctree/texttree.htm

Objective of NASA-STD-8719.7

Provide a guideline for implementing a Facility System Safety Program to meet the requirements of NHB 1700.1 (V1-B), NASA Safety Policy and Requirements Document.



Facility Hazard Analysis Process

MINIMUM AUDIT POINTS FOR NASA-STD-8719.7

Leadership and Management

Centers

- NASA Headquarters requires that each Center follow the requirements of NHB 1700.1 (V1-B).
- Objective Quality Evidence (OQE) Adherence to NASA Safety Policy and Requirements Document; NHB 1700.1 (V1-B); Occupational Safety and Health Administration

Facilities Manager

- Shall prepare a FSMP. The FSMP shall document the facility hazard resolution process and define when hazards have been closed, accepted, or eliminated.
- OOE FSMP
- Shall perform a Facility Hazard Analysis (FHA),
 Hazard Analysis Tracking Index (HATI), and
 Hazard Resolution Verification (HRV)
- OQE FHA, HATI, & HRV

Core Process

▶ Facilities Manager

- Ensure that the facility System Safety Program
 Plan for the facility is modified to identify the
 analysis methodologies appropriate for the
 decommissioning of the facility. Resolve all
 identified hazards.
- OOE Resolution of Identified Hazards
- Facilities constructed for NASA Centers shall be scheduled for inspection and acceptance after construction has been completed as described in the contract documents. This shall occur before the facility is activated.
- OQE Initial System Test and Operational Readiness Review
- Facility and equipment maintenance procedures must be developed for facilities and their operational systems to minimize risk to personnel and facility.
- OQE Facility and Equipment Maintenance Procedures
- Maintenance activities require procedures for hazardous tasks.
- OQE Procedures for Hazardous Tasks
- An Operating & Support Hazard Analysis (O&SHA) shall be performed to identify operational hazards with a high risk.
- OQE Operating & Support Hazard Analysis (O&SHA)

- Equipment maintenance procedures shall be provided for equipment that includes controls identified in the O&SHA.
- OQE Equipment Maintenance Procedures
- Safety deficiencies not previously identified shall be included in final facilities acceptance inspection report and entered in the HATI.
- OQE Facilities Acceptance Inspection
- Training center is required to ensure personnel are educated in the recognition and avoidance of hazards and should be developed throughout the life cycle of the facility.
- OQE Training Procedures

Process Check

- Document and maintain a written FSMP for each major facility acquisition.
- OQE FSMP
- Prior to commencing the Initial System Test, a hazard analysis shall be conducted to identify hazards created during testing and the controls devised to eliminate those hazards or reduce them to an acceptable level.
- OQE Hazard Analysis

